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Aleksic et al.(10) **Pub. No.: US 2017/0193999 A1**(43) **Pub. Date: Jul. 6, 2017**(54) **VOICE RECOGNITION SYSTEM**(71) Applicant: **Google Inc.**, Mountain View, CA (US)(72) Inventors: **Petar Aleksic**, Jersey City, NJ (US);
Pedro J. Moreno Mengibar, Jersey City, NJ (US)(73) Assignee: **Google Inc.**, Mountain View, CA (US)(21) Appl. No.: **14/989,642**(22) Filed: **Jan. 6, 2016****Publication Classification**(51) **Int. Cl.**
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(2013.01); **G06F 17/30755** (2013.01)(57) **ABSTRACT**

Methods, systems, and apparatus, including computer programs encoded on a computer storage medium, for voice recognition. In one aspect, a method includes the actions of receiving a voice input; determining a transcription for the voice input, wherein determining the transcription for the voice input includes, for a plurality of segments of the voice input: obtaining a first candidate transcription for a first segment of the voice input; determining one or more contexts associated with the first candidate transcription; adjusting a respective weight for each of the one or more contexts; and determining a second candidate transcription for a second segment of the voice input based in part on the adjusted weights; and providing the transcription of the plurality of segments of the voice input for output.

